

WHAT IS CLAIMED IS:

1. A method for documenting a plurality of source files comprising the steps of:
  - (a) accessing a comment from a current source file of the plurality of source files;
  - (b) accessing a symbol from the current source file;
  - (c) forming a document file from the symbol and the comment;
  - (d) repeating steps a-c, wherein the current source file is a next source file of the plurality of source files; and
  - (e) forming an index based on the document files.
  
2. A method for documenting source files comprising the steps of:
  - accessing a first comment of a first source file;
  - accessing a first symbol of the first source file;
  - generating a first document file for the first source file from the first comment and the first symbol; and then:
    - accessing a second comment of a second source file;
    - accessing a second symbol of the second source file;
    - generating a second document file for the second source file from the second comment and the second symbol; and then:
      - generating at least one index file based on the first and second document files.
  
3. A method for documenting source files comprising the steps of:
  - loading a first source file into a memory;
  - accessing a first comment from the first source file;
  - accessing a first symbol from the first source file;
  - generating a first document file from the first comment and the first symbol ;
  - unloading the first source file from the memory; and then:

loading a second source file into a memory;  
 accessing a second comment from the second source file;  
 accessing a second symbol from the second source file;  
 generating a second document file from the second comment and the  
 second symbol;  
 unloading the second source file from the memory; and then  
 generating at least one index file based on the first and second document  
 files.

4. A method for documenting a plurality of source files in parallel comprising the  
 steps of:

generating a plurality of threads, each thread operative on a separate processing  
 device, and each thread further comprising the steps of:

loading one or more, but not all, of a plurality of source files into a  
 memory;

accessing a comment from the loaded source files;

accessing a symbol from the loaded source files;

generating a document file from the comment and the symbol;

unloading the loaded source files from the memory; and

generating at least one index file based on the plurality of document files.

5. The method as recited in claim 1 wherein the source files together form a source  
 code for an application.

6. The method as recited in claim 1 wherein the source files together form a source  
 code for a portion of an application.

7. The method as recited in claim 1 wherein the source files together form a project.

8. The method as recited in claim 1 wherein at least one of the source files is a header file and the header file further comprises one or more classes; and wherein at least one of the documents further comprises a list of the classes.
9. The method as recited in claim 1 wherein the index comprises a plurality of pointers, each pointer referencing a location in at least one of the documents.
10. The method as recited in claim 1 wherein the index further comprises a plurality of index files, a first one of the index files further comprising a plurality of pointers, each pointer referencing a first location in a second one of the index files; and the second index file further comprising a plurality of document pointers, each document pointer referencing a document location in one of the documents.
11. The method as recited in claim 2 wherein the source files together form a source code for an application.
12. The method as recited in claim 2 wherein the source files together form a source code for a portion of an application.
13. The method as recited in claim 2 wherein the source files together form a project.
14. The method as recited in claim 2 wherein at least one of the source files is a header file and the header file further comprises one or more classes; and wherein at least one of the document files further comprises a list of the classes.
15. The method as recited in claim 2 wherein the index file comprises a plurality of pointers, each pointer referencing a location in at least one of the document files.
16. The method as recited in claim 15 further comprising the step of generating at least one index reference based on the index files, the index reference further comprising a

plurality of pointers, each pointer referencing a first location in the index file.

17. The method as recited in claim 3 wherein the source files together form a source code for an application.

18. The method as recited in claim 3 wherein the source files together form a source code for a portion of an application.

19. The method as recited in claim 3 wherein the source files together form a project.

20. The method as recited in claim 3 wherein at least one of the source files is a header file and the header file further comprises one or more classes; and wherein at least one of the document files further comprises a list of the classes.

21. The method as recited in claim 3 wherein the index file comprises a plurality of pointers, each pointer referencing a location in at least one of the document files.

22. The method as recited in claim 21 further comprising the step of generating at least one index reference based on the index files, the index reference further comprising a plurality of pointers, each pointer referencing a first location in the index file.

23. A system for documenting source files comprising:

a computer processor coupled to a memory;

the computer processor accessing a first comment data for a first source file;

accessing a first symbol data for the first source file;

generating a first document file for the first source file from the first comment data and the first symbol data; and then:

accessing a second comment data for a second source file;

accessing a second symbol data for the second source file;

generating a second document file for the second source file from the

second comment data and the second symbol data; and then:

generating at least one index file based on the first and second document files.

24. A method for documenting source files in parallel comprising the steps of:

loading a first source file into a memory on a first device;

accessing a first comment data from the first source file on the first device;

accessing a first symbol data from the first source file on the first device;

generating a first document file from the first comment data and the first symbol data on the first device;

unloading the first source file from the memory on the first device;

loading a second source file into a memory on a second device;

accessing a second comment data from the second source file on the second device;

accessing a second symbol data from the second source file on the second device;

generating a second document file from the second comment data and the second symbol data on the second device;

unloading the second source file from the memory on the second device; and

generating at least one index file based on the first and second document files.

25. The method as recited in claim 4 wherein the memory is distributed over a plurality of devices.

26. The method as recited in claim 1 further comprising selecting the source file from a project management interface.

27. The method as recited in claim 2 wherein the first symbol is accessed from a symbol service.

28. A system comprising:

a project management facility configured to display at least one of a plurality of source code files;

a documentation generator facility configured to receive at least one selection of the at least one of the plurality of source code files;

wherein the documentation generator facility:

(a) accesses a comment from a current source code files of the plurality of source code files;

(b) accesses a symbol from the current source code file;

(c) forms a document file from the symbol and the comment;

(d) repeats steps a-c, wherein the current source code file becomes a next source code file of the plurality of source files; and

(e) forms an index based on the document files.

29. A computer-readable medium, having stored thereon, computer executable process steps operative to control a computer to documenting source files, the steps comprising:

(a) accessing a comment from a current source file of the plurality of source files;

(b) accessing a symbol from the current source file;

(c) forming a document file from the symbol and the comment;

(d) repeating steps a-c, wherein the current source file becomes a next source file of the plurality of source files; and

(e) forming an index based on the document files.

30. A computer-readable medium, having stored thereon, computer executable process steps operative to control a computer to document source files, the steps comprising:

accessing a first comment of a first source file;

accessing a first symbol of the first source file;

generating a first document file for the first source file from the first comment and the first symbol; and then:

accessing a second comment of a second source file;  
 accessing a second symbol of the second source file;  
 generating a second document file for the second source file from the  
 second comment and the second symbol; and then:  
 generating at least one index file based on the first and second  
 document files.

31. A computer-readable medium, having stored thereon, computer executable process  
 steps operative to control a computer to document source files, the steps comprising:  
 loading a first source file into a memory;  
 accessing a first comment from the first source file;  
 accessing a first symbol from the first source file;  
 generating a first document file from the first comment and the first symbol ;  
 unloading the first source file from the memory; and then:  
 loading a second source file into a memory;  
 accessing a second comment from the second source file;  
 accessing a second symbol from the second source file;  
 generating a second document file from the second comment and the  
 second symbol;  
 unloading the second source file form the memory; and then  
 generating at least one index file based on the first and second document  
 files.

32. A computer-readable medium, having stored thereon, computer executable process  
 steps operative to control a computer to document source files, the steps comprising:  
 generating a plurality of threads, each thread operative on a separate processing  
 device, and each thread further comprising the steps of:  
 loading one or more, but not all, of a plurality of source files into a

memory;

accessing a comment from the loaded source files;

accessing a symbol from the loaded source files;

generating a document file from the comment and the symbol;

unloading the loaded source files from the memory; and

generating at least one index file based on the plurality of document files.